



CAJON VALLEY UNION SCHOOL DISTRICT PERSONNEL COMMISSION

Job Class Description

| <u>IRRIGATION TECHNICIAN</u> | | | |
|-------------------------------------|---|-------------------------|----------------------------|
| DEPARTMENT/SITE: | Facilities, Maintenance, and Operations | SALARY SCHEDULE: | Classified Bargaining Unit |
| | | SALARY RANGE: | 25 per 2023-2024 Schedule |
| | | WORK YEAR: | 12 Months (260 Days) |
| REPORTS TO: | Director Facilities, Maintenance, and Operations or assigned supervisor | FLSA: | Non-Exempt |

BASIC FUNCTION:

Perform skilled work in the installation, maintenance, and repair of District sprinkler and irrigation systems, well systems, and related parts, components, and equipment; schedule and program automated base and remote irrigation controllers to ensure proper and efficient irrigation coverage; monitor irrigation and watering systems; assist other grounds maintenance personnel in the performance of a variety of duties as assigned. The incumbents in this classification assist in supporting students by ensuring safe and clean grounds/landscaping for staff and students which directly supports student learning.

ESSENTIAL FUNCTIONS, DUTIES, AND TASKS:

The following list of functions, duties, and tasks is typical for this classification. Incumbents may not perform all the listed duties and/or may be required to perform other closely related or department-specific functions, duties, and tasks from those set forth below to address business needs and changing business practices.

Perform a variety of activities involved in the installation, maintenance, and repair of District sprinkler and irrigation systems and related parts, components, and equipment to ensure proper irrigation of landscaped areas and athletic fields.

Maintain and review work order database and update work order status.

Determine watering schedules; check lawns to ensure proper health and water distribution; turn water systems on and off as appropriate; set and adjust controllers and time clocks according to seasons, soil, and lawn conditions; maintain and establish online watering system, water distribution rates, and established watering schedules.

Maintain, troubleshoot, repair, and renovate new and existing sprinkler and irrigation systems including valves, sprinkler heads, controls, timing devices, water pumps, and related components and equipment; dig holes and trenches; locate valves and trace wires; replace system parts and equipment as needed.

Inspect, maintain, and operate underground and above-ground well water systems including float sensors, control panels, backflows, holding tanks, and other isolation valves.

Inspect sprinkler systems to ensure proper operating condition; inspect and repair water leaks; clean, adjust, and repair sprinkler heads; test water systems for high and low pressure; make related repairs and adjustments; install low voltage and two-wired controls and fixtures such as hydraulic and electrohydraulic and micro-electric controllers.

Measure, cut, thread, and install pipes, tubing, and a variety of irrigation system fixtures; maintain and repair water lines; excavate and determine appropriate depth of trenches; connect new systems to existing

water supplies.

Operate a variety of equipment such as aerators, trenchers, cutters, drills, and a variety of hand and power tools; drive a District vehicle to conduct work.

Estimate labor, material, and equipment needed for assigned projects; monitor inventory levels of materials and equipment; research, order, receive, and maintain inventory of materials and equipment as needed.

Perform various grounds maintenance projects and activities in the beautification of District grounds, athletic fields, and landscaped areas as assigned; participate in soil testing, soil amending, tilling, and rolling for preparation and follow-up of new turf (sod or seed) areas as assigned.

Communicate with District personnel to exchange information and resolve issues or concerns; provide assistance to contractors with projects involving irrigation systems; participate in the training of grounds crew in the installation, maintenance, and repair of manual and automatic sprinkler systems and electric controllers.

Confer with school administrators and supervisor regarding needs.

Perform classification-related duties as assigned for ensuring the efficient and effective functioning of the work unit and the District, including various mandatory District trainings.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

- Procedures, methods, techniques, materials, supplies, tools, and equipment used in the installation, repair, and maintenance of sprinkler and irrigation systems and related parts, underground and above-ground pumps for wells and boosters, components, and equipment.
- Basic principles of electricity and plumbing related to irrigation systems.
- Operation of a variety of hand and power tools and heavy equipment related to irrigation.
- Appropriate pipe sizes and maximum and minimum water pressure guidelines.
- Mathematical calculations.
- Oral and written communication skills.
- Basic record-keeping techniques.
- Operate and maintain a computer-based central irrigation system.
- Shop math applicable to the irrigation trade.
- Health and safety regulations.
- Proper lifting techniques.
- Proper methods of storing equipment, materials, and supplies.
- Appropriate safety precautions and procedures.

ABILITY TO:

- Perform a variety of activities involved in the layout, installation, maintenance, and repair of District sprinkler and irrigation systems and related parts, components, and equipment.
- Interpret and work from blueprints, plans, schematic drawings, and sketches.
- Troubleshoot, diagnose, and resolve irrigation system malfunctions.
- Inspect irrigation systems to ensure proper operation.
- Replace system parts and equipment as needed.
- Operate a variety of hand and power tools and equipment.
- Test and repair water leaks.

Meet schedules and timelines.
Plan and lay out work.
Observe health and safety regulations and procedures.
Communicate effectively both orally and in writing.
Establish and maintain collaborative and effective working relationships with others.
Maintain routine records related to work performed.
Perform mathematical calculations with speed and accuracy.
Understand and follow oral and written instructions.
Work independently with little **or no** direction.

EDUCATION AND EXPERIENCE:

Any combination equivalent to high school graduation or equivalent and two years of experience in the design, installation, repair, and maintenance of irrigation systems.

LICENSES AND OTHER REQUIREMENTS:

Must possess a valid California driver's license and the ability to qualify, and maintain qualification, for District vehicle insurance coverage.

WORKING CONDITIONS:

ENVIRONMENT:

Outdoor work environment with exposure to various weather conditions.
Exposure to pests such as fire ants or underground bee hives
Exposure to fumes, dust, and odors.
Driving a District vehicle to conduct work.
Working around students and staff.
Trade shops.
Constant interruptions.

PHYSICAL DEMANDS:

Dexterity of hands and fingers to operate hand and power tools and equipment.
Sitting or standing for extended periods of time.
Walking over rough or uneven surfaces.
Seeing to read a variety of materials and perform irrigation repair duties and view computer screens
Regularly lift, push, pull, and/or carry heavy objects up to 50 pounds; occasionally lift, push, pull, and/or carry very heavy objects, with the use of hand trucks or other equipment, more than 100 pounds.
Bending at the waist, kneeling or crouching.
Reaching overhead, above the shoulders, and horizontally.
Heavy physical labor.
Digging.
Hearing and speaking to exchange information.

HAZARDS:

Exposure to chemicals and fumes.
Traffic hazards.

CLEARANCES:

Criminal Justice Fingerprint/Background

Tuberculosis

Pre-placement Physical and Drug Screen

JOB CLASS HISTORY

Approved: 07/98 (New Class)

Revised: 10/04 (Reports to); PC 07/26/07 (Retitled from Grounds/Irrigation Specialist and reallocated from Range 35); 07/13 (Retitled from Grounds/Irrigation Technician and reallocated from Range 24)

Revised: 05/24 (EH&A / MGT Consulting) / GB 10/08/24; PC 09/26/24